

SUNLIGHT SVT 2V - 1500Ah

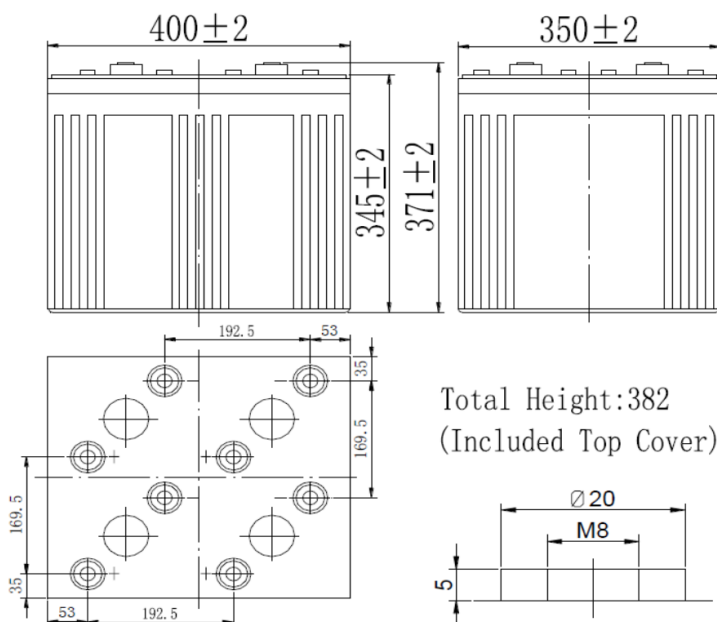
AGM VRLA Battery

Features & Benefits

- Non-spillable maintenance free product
- High Quality and High Reliability
- Wide range of operating temperature
- Fast and easy installation
- Low self discharge
- Long service life, float or cyclic applications
- Female M8 brass terminals
- IEC 60896-21 & 22, EN 50272-2 compliant
- Can be mounted in any orientation (not upside down)
- Fully recyclable product

Specifications

Nominal Voltage		2 V
Number of cells		1
Design Floating Life (20°C)		15 years
Dimensions	Length	400 mm
	Width	350 mm
	Height	345 mm
	Total Height	382 mm
Weight		94 kg
	10 hours rate (1.80)	1500 Ah
	5 hours rate (1.75)	1335 Ah
Nominal Capacity	1 hour rate (1.65)	887 Ah
	Internal Resistance (fully charged, 25°C)	0.2 mOhm
Self Discharge	approx. 3% per month at 25°C	
Nominal Operating Temperature	25°C	
Operating Temperature range	Discharge	-15°C to 50°C
	Charge	-10°C to 50°C
	Storage	-20°C to 50°C
Float Charging Voltage	2.25 to 2.30 V/cell at 25°C	
Temperature compensation	-18mV/°C	
Maximum charging current	300 A	
Maximum discharge current	9000 A (5 sec.)	



Performance Data

Discharge Constant Current at 25°C (Amperes)

End Voltage V/cell	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60 V	1350	900	548	390	314	272	234	184	153	80.2	69.5
1.65 V	1323	887	545	388	312	271	233	183	152	80.0	69.3
1.70 V	1283	864	540	385	310	269	231	181	152	79.8	69.1
1.75 V	1251	847	532	383	308	267	230	180	151	79.3	68.7
1.80 V	1206	821	518	371	298	259	223	175	150	78.8	68.3

Discharge Constant Power at 25°C (Watts)

End Voltage V/cell	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60 V	2525	1710	1058	765	615	537	461	365	304	160	140
1.65 V	2474	1684	1052	760	611	533	458	363	303	160	139
1.70 V	2398	1642	1042	755	607	530	455	361	302	160	139
1.75 V	2340	1609	1027	750	603	526	452	358	301	159	138
1.80 V	2254	1560	1001	727	585	510	439	347	299	158	137

Note: The above characteristics data can be obtained within three charge/discharge cycles.